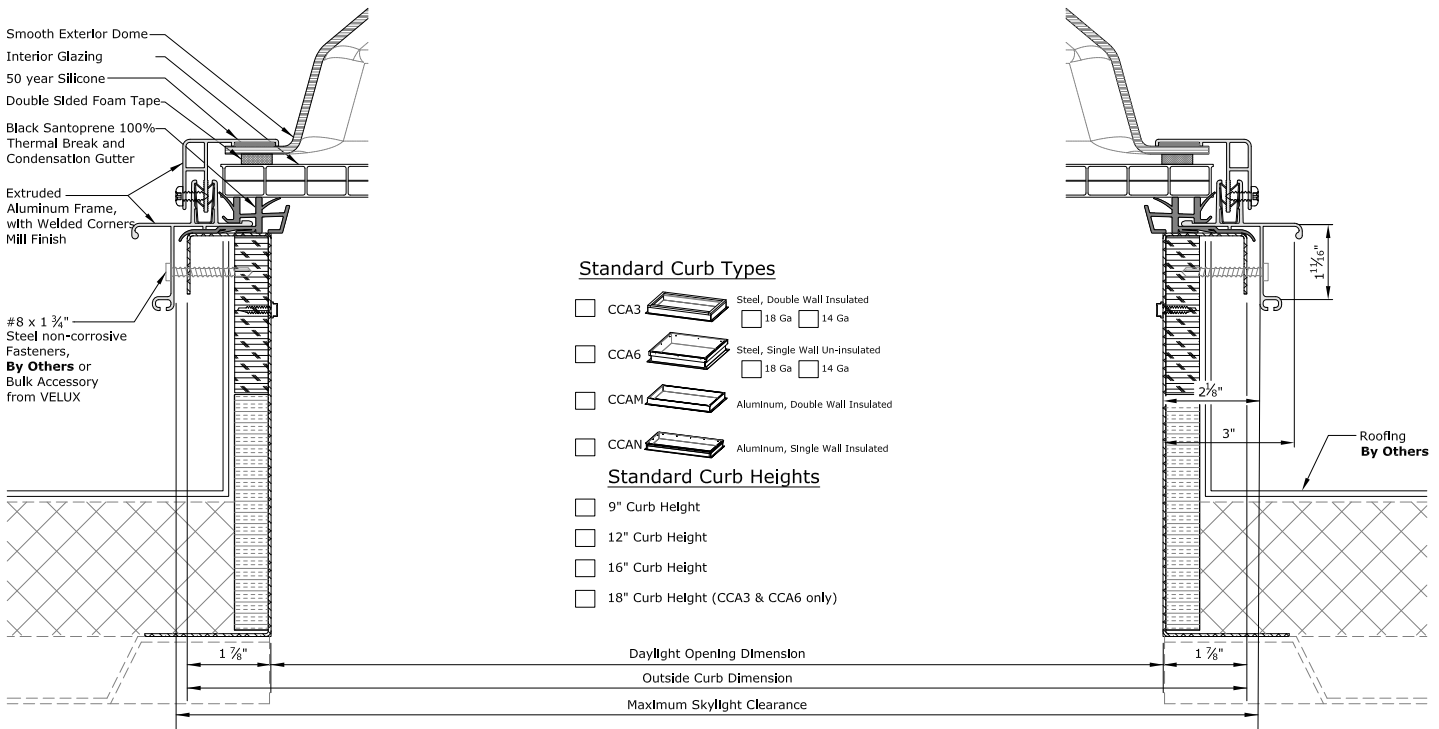


# Energy Series Dynamic Dome Skylight



## Energy Series Dynamic Dome Skylights

Revolutionary dome design with superior energy efficiency. VELUX Energy Series Dynamic Dome skylights deliver daylight while providing a thermal barrier between the exterior elements. VELUX offers the following Energy Series glazing options:

- Multi-wall polycarbonate panels with and without Lumira aerogel™ to reduce heat loss
  - Double domes with infrared (IR) coatings to reduce heat gain
  - Triple domes with IR coatings to reduce heat loss and heat gain
- ✔ **Multi-wall panels**
    - Multi-wall panels filled with Lumira aerogel provide the best resistance to heat loss.
    - Air-filled multi-wall panels and multi-layer domes provide very good resistance to heat loss at a fraction of the cost.
    - These glazings are ideal for colder regions of the country that require heat to stay warm.
  - ✔ **Infrared barriers**
    - IR-blocking outer domes create a heat barrier.
    - Protects interiors by blocking heat from sun.
    - This glazing is ideal for warmer regions of the country that require air conditioning to stay comfortable.
  - ✔ **Innovative frame**
    - Multiple layers of protection to ensure water tightness: 50-year sealants, one-piece warm frame technology, 100 percent thermally-broken with superior condensation management.
    - Strong, easy-to-carry frame profile designed for easy installation.
    - Dry installation—no curb tape adhesives needed.
  - ✔ **Warranty**
    - 15-year warranty for LuxGuard and LuxGuard Plus glazings (polycarbonate), including hail breakage up to 2".
    - 5-year warranty for Impact Modified Acrylic glazings (IMA).

# VELUX Energy Series Dynamic Dome Skylight sizes

## Commercial Dome Curb Mount Skylights

Model Size	Maximum skylight clearance dimensions	Outside curb dimensions	Daylight opening dimensions
2448	28 1/4 x 52 1/4	27" x 51"	24" x 48"
2496	28 1/4 x 100 1/4	27" x 99"	24" x 96"
2412	28 1/4 x 124 1/4	27" x 123"	24" x 120"
3636	40 1/4 x 40 1/4	39" x 39"	36" x 36"
3660	40 1/4 x 64 1/4	39" x 63"	36" x 60"
3672	40 1/4 x 76 1/4	39" x 75"	36" x 72"
3696	40 1/4 x 100 1/4	39" x 99"	36" x 96"
3612	40 1/4 x 124 1/4	39" x 123"	36" x 120"
4848	52 1/4 x 52 1/4	51" x 51"	48" x 48"
4860	52 1/4 x 64 1/4	51" x 63"	48" x 60"
4872	52 1/4 x 76 1/4	51" x 75"	48" x 72"
4896	52 1/4 x 100 1/4	51" x 99"	48" x 96"
4812	52 1/4 x 124 1/4	51" x 123"	48" x 120"
6060	64 1/4 x 64 1/4	63" x 63"	60" x 60"
6072	64 1/4 x 76 1/4	63" x 75"	60" x 72"
6096	64 1/4 x 100 1/4	63" x 99"	60" x 96"
6012	64 1/4 x 124 1/4	63" x 123"	60" x 120"
7272	76 1/4 x 76 1/4	75" x 75"	72" x 72"

### Dome Configurations

Glazing materials	Testing	Dome configuration	Luminous Transmittance ASTM D1003	U-Factor NFRC 100	SHGC NFRC 200	Haze ASTM D1003
<b>IR blocking acrylic over polycarbonate</b> Standard dome configuration—0.118" IR-blocking diffuse acrylic outer dome over 0.118" clear polycarbonate prismatic inner dome. Middle dome is polycarbonate.*	<ul style="list-style-type: none"> <li>• NFRC</li> <li>• Hallmark air, water, and structural certifications</li> <li>• 15-year warranty</li> </ul>	double	36%	0.71	0.33	100%
		triple	31.4%	0.57	0.32	100%
<b>IR blocking acrylic over Lumira aerogel</b> Standard dome configuration—0.118" IR-blocking diffuse acrylic outer dome over specialty multi-wall polycarbonate with Lumira aerogel	<ul style="list-style-type: none"> <li>• NFRC</li> <li>• Hallmark air, water, and structural certifications</li> <li>• 15-year warranty</li> </ul>	double	NR	0.34	0.28	100%
<b>LuxGuard (polycarbonate) with Lumira aerogel</b> Standard dome configuration—0.118" clear polycarbonate outer dome over specialty multi-wall polycarbonate with Lumira aerogel.	<ul style="list-style-type: none"> <li>• NFRC</li> <li>• Hallmark air, water, and structural certifications</li> <li>• 15-year warranty</li> </ul>	double	43.2%	0.34	0.44	100%
<b>LuxGuard (polycarbonate) over specialty multi-wall</b> Standard dome configuration—0.118" clear polycarbonate outer dome over specialty multi-wall polycarbonate.	<ul style="list-style-type: none"> <li>• NFRC</li> <li>• Hallmark air, water, and structural certifications</li> <li>• 15-year warranty</li> </ul>	double	63.4%	0.43	0.49	27%

\*6'x6' sizes are manufactured with a smooth inner dome and have slightly different performance values.

\*\*Other glazing configurations and performance values are available.